

AA#1 TDS

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Docket Number (Optional) 3833.5US	Application Number To be assigned
	Applicant Fallaux et al.	
	Filing Date July 30, 2001	Group Art Unit To be assigned

09/09/01
07/30/01
09/09/01
07/30/01

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Dr</i>	#4,405,712	09/20/83	Vande Woude et al.			
	#4,497,796	02/05/85	Salser et al.			
	#4,727,028	02/23/88	Santerre et al.			
	#4,740,463	04/26/88	Weinberg et al.			
	#5,190,931	03/02/93	Inouye			
	#5,208,149	05/04/93	Inouye			
	#5,378,618	01/03/95	Sternberg et al.			
	#5,518,913	05/21/96	Massie et al.			
	#5,545,522	08/13/96	Van Gelder et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
<i>Dr</i>	#2,053,187	04/11/93	Canada				
	#WO 94/08026	04/14/94	PCT				
	#WO 94/11506	05/26/94	PCT				
	#WO 94/12649	06/09/94	PCT				
	#WO 94/23582	10/27/94	PCT				
	#WO 94/24297	10/27/94	PCT				
	#WO 94/26914	11/24/94	PCT				
	#WO 94/28152	12/08/94	PCT				
	#WO 94/28938	12/22/94	PCT				
	#WO 95/00655	01/05/95	PCT				
	#2 707 664	01/20/95	France				
	#WO 95/02697	01/26/95	PCT				
	#95201611.1	06/15/95	EP				

EXAMINER <i>Dr</i>	DATE CONSIDERED <i>2/21/03</i>
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Serial No.: 09/506,548

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For: PACKAGING SYSTEMS FOR HUMAN RECOMBINANT ADENOVIRUS TO BE USED IN GENE THERAPY, which application is being relied upon for an earlier filing date under 35 U.S.C. § 120.

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<i>Dr</i>	#5,652,224	07/29/97	Wilson et al.			
	#5,670,488	09/23/97	Gregory et al.			
	#5,707,618	01/13/98	Armentano et al.			
	#5,753,500	05/19/98	Shenk et al.			
	#5,837,511	11/17/98	Falck-Pedersen et al.			
	#5,994,106	11/30/99	Kovesdi et al.			
	#5,994,128	11/30/99	Fallaux et al.			
<i>Dr</i>	#6,033,908	03/07/2000	Bout et al.			
	#6,040,174	03/21/2000	Imler et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
<i>Dr</i>	#WO 95/16772	06/22/95	PCT				
	#95201728.3	06/26/95	EP				
	#2,117,668	09/10/95	Canada				
	#WO 95/26411	10/05/95	PCT				
	#WO 95/27071	10/12/95	PCT				
	#WO 95/34671	12/21/95	PCT				
	#AU-A-28533/95	03/21/96	Australia				
	#WO 96/13596	05/09/96	PCT				
	#WO 96/14061	05/17/96	PCT				
	#WO 96/16676	06/06/96	PCT				
	#WO 96/18418	06/20/96	PCT				
	#WO 96/33280	10/24/96	PCT				
	#WO 96/40955	12/19/96	PCT				
	#WO 97/00947	01/09/97	PCT				
<i>Dr</i>	#WO 97/04119	02/06/97	PCT				
	#WO 97/05255	02/13/97	PCT				

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Examiner initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>DN</i>		#Amalfitano et al., "Improved adenovirus packaging cell lines to support the growth of replication-defective gene-delivery vectors", <u>Proc. Natl. Acad. Sci. USA</u> , 93:3352-3356, April 1996.
		#Amalfitano et al., "Isolation and characterization of packaging cell lines that coexpress the adenovirus E1, DNA polymerase, and preterminal proteins: implications for gene therapy", <u>Gene Therapy</u> , 4:258-263, 1997.
		#Armentano et al., "Characterization of an Adenovirus Gene Transfer Vector Containing an E4 Deletion", <u>Human Gene Therapy</u> , 6:1343-1353, October 1995.
		#Bernards, Rene, et al., "Characterization of Cells Transformed by Ad5/Ad12 Hybrid Early Region 1 Plasmids", <u>Virology</u> , 120:422-432, 1982.
		#Bernards, Rene, et al., "Role of Adenovirus Types 5 and 12 Early Region 1b Tumor Antigens in Oncogenic Transformation", <u>Virology</u> , 127:45-53, 1983.
		#Brough et al., "A Gene Transfer Vector-Cell Line System for Complete Functional Complementation of Adenovirus Early Regions E1 and E4", <u>Journal of Virology</u> , 70(9):6497-6501, September 1996.
		#Brough et al., "Construction, Characterization, and Utilization of Cell Lines Which Inducibly Express the Adenovirus DNA-Binding Protein", <u>Virology</u> , 190:624-634, 1992.
		#Brough et al., "Multiple Functions of the Adenovirus DNA-Binding Protein Are Required for Efficient Viral DNA Synthesis", <u>Virology</u> , 196:269-281, 1993.
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		#Engelhardt et al., "Ablation of E2A in recombinant adenoviruses improves transgene persistence and decreases inflammatory response in mouse liver", <u>Proceeding of the National Sciences of USA</u> , Vol. 91, pp. 6196-6200, 1994.
		#Fallaux et al., "Characterization of 911: A New Helper Cell Line for the Titration and Propagation of Early Region 1-Deleted Adenoviral Vectors", <u>Human Gene Therapy</u> , 7:215-222, 1996.
		#Fields et al., "Fields Virology", Second Edition, pp. 28-30, 82. <i>no publication date</i>
		#Fisher et al., "Recombinant Adenovirus Deleted of All Viral Genes for Gene Therapy of Cystic Fibrosis", <u>Virology</u> , 217:11-22, 1996.
<i>✓</i>		#Gao et al., "Biology of Adenovirus Vectors with E1 and E4 Deletions for Liver-Directed Gene Therapy", <u>Journal of Virology</u> , 70(12):8934-8943, December 1996.

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
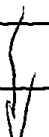

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Applicant Fallaux et al.

Filing Date July 30, 2001

Group Art Unit To be assigned

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		#Gorziglia et al., "Elimination of both E1 and E2a from Adenovirus Vectors Further Improves Prospects for In Vivo Human Gene Therapy", <u>Journal of Virology</u> , 70(6):4173-4178, June 1996.
		#Graham, F.L., et al., "Characteristics of a Human Cell Line Transformed by DNA from Human Adenovirus Type 5", <u>J. gen. Virol.</u> , 36:59-74, 1977.
		#Grodzicker, Terri, et al., "Expression of Unselected Adenovirus Genes in Human Cells Co-transformed with the HSV-1 tk Gene and Adenovirus 2 DNA", <u>Cell</u> , 21:453-463, September 1980.
		#Hardy et al., "Construction of Adenovirus Vectors through Cre-lox Recombination", <u>Journal of Virology</u> , 71(3):1842-1849, March 1997.
		#Hehir et al., "Molecular Characterization of Replication-Competent Variants of Adenovirus Vectors and Genome Modifications To Prevent Their Occurrence", <u>Journal of Virology</u> , 70(12):8459-8467, December 1996.
		#Imler et al., "Novel complementation cell lines derived from human lung carcinoma A549 cells support the growth of E1-deleted adenovirus vectors", <u>Gene Therapy</u> , 3:75-84, 1996.
		#Kornberg, Arthur, "DNA Replication", W.H. Freeman and Company, San Francisco, 4 pages (double sided).
		#Krougliak et al., "Development of Cell Lines Capable of Complementing E1, E4, and Protein IX Defective Adenovirus Type 5 Mutants", <u>Human Gene Therapy</u> , 6:1575-1586, December 1995.
		#Lemarchand et al., "Adenovirus-mediated transfer of a recombinant human α 1-antitrypsin cDNA to human endothelial cells", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 89, pp. 6482-6486, July 1992.
		#Lieber et al., "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Excision Exhibit Different Biological Properties Compared with First-Generation Vectors In Vitro and In Vivo", <u>Journal of Virology</u> , 70:8944-8960, December 1996.
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		#Rosenfeld et al., "In Vivo Transfer of the Human Cystic Fibrosis Transmembrane Conductance Regulator Gene to the Airway Epithelium", <u>Cell</u> , Vol. 68, pp. 143-155, January 10, 1992.
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		#Vaessen, R.T.M.J., "Different Adenovirus E1A-Controlled Properties of Transformed Cells Require Different Levels of E1A Expression", <u>Gene</u> , pp. 247-254, 1987.
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		#Weinberg et al., "A cell line that supports the growth of a defective early region 4 deletion mutant of human adenovirus type 2", <u>Proc. Natl. Sci. USA</u> , Vol. 80, pp. 5383-5386, September 1983.
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